

US-PAT-NO: 6725064

DOCUMENT-IDENTIFIER: US 6725064 B1

TITLE: Portable terminal device with  
power saving backlight  
control

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Detailed Description Text - DETX (22):

The power saving is very advantageous particularly when the information receiving operation continues for a long time without requiring manipulation of the key unit 20. Further, it is advantageous particularly when the display unit 30 uses a color liquid crystal panel, because the color liquid crystal panel consumes more power. The electric power consumption is reduced further, because the illumination of the display unit 30 is also turned off when the predetermined time T2 lapses after completing receiving the information.

Detailed Description Text - DETX (24):

The first embodiment may be so modified that the illumination of both the key unit 20 and the display unit 30 is turned off after the internet information has completely been received. In this instance, the display on the display unit 30, for instance, character images or pictures, may be changed after the completion of the information and turning off the illumination may be triggered by monitoring changes of the display.

Detailed Description Text - DETX (32):

The microcomputer 59 then checks at step 223 whether it is the end of the

song with reference to the karaoke flag KA stored in the memory unit 55. If the flag KA is in the set condition indicating that the orchestral sound is still being produced (NO at step 223), the microcomputer 59 executes steps 224 and 225 to check whether the touch sensor 224 or key unit 20 is manipulated, respectively, so that the illumination of the key unit 20 and the display unit 30 may be controlled in the same manner as at steps 270 and 280 in the first embodiment shown in FIG. 3. However, if the flag KA is in the reset condition indicating the end of the song (YES at step 260), the microcomputer 59 instructs the display light control circuit 56 to turn off the illumination of the display unit 30 at step 260. The illumination of the display unit 30 is turned off after the predetermined time T2 as in the first embodiment.

Current US Original Classification - CCOR (1):  
455/566

US-PAT-NO: 6584571

DOCUMENT-IDENTIFIER: US 6584571 B1

TITLE: System and method of computer  
operating mode clock control for power consumption  
reduction

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US Patent No. - PN (1):  
6584571

Brief Summary Text - BSTX (9):

Prior art attempts at conserving power have employed screen blanking which reduces the power to the display screen when the screen has not been used for some period of time. Typically, a timeout circuit senses changes in screen information and, if no change has occurred for a predetermined timeout period, the backlight to the screen is turned off for power reduction. While screen blanking is effective in reducing power for the display screen, no reduction results in power to the driver circuitry for the display, to the CPU, or to other parts of the computer. Furthermore, when the screen is blanked, the computer cannot be used until reset.

Detailed Description Text - DETX (69):

In FIG. 3, the PMU 15 includes a number of registers accessed for read or write by CPU 4 over bus 5 via an index register addressing scheme. When not accessed by CPU 4, for example, after a power on detection by detector 71, the registers are all initialized to a default state. When

accessed by CPU 4, an index value is first written to the index register 50 from bus 5 and the index value is decoded by decoder 70 to select one of the registers of PMU 15 for access to bus 5 to receive or send information from or to CPU 4. The index register 50, after an index write, is changed to point to another register to be accessed. When reset, the index register is not active to enable any PMU 15 register. This is a safety feature to help prevent applications executing on the CPU 4 from inadvertently accessing PMU 15 registers. All registers may be read and written over bus 5.

L Number	Hits	Search Text	DB	Time stamp
52	16	(complet\$3 or finish\$3 or end\$2) with (receiv\$3 or transmission or transmit\$4 or reception) near3 (data or information or call) same turn\$3 near5 (lighting or screen or backlighting or backlight or backlit)	USPAT; US-PGPUB; JPO; DERWENT	2004/05/28 16:49
53	1149	455/566.ccls.	USPAT; US-PGPUB; JPO; DERWENT	2004/05/28 16:48
54	14	(complet\$3 or finish\$3 or end\$2) with turn\$3 near5 (lighting or screen or backlighting or backlight or display or backlit) and 455/566.ccls.	USPAT; US-PGPUB; JPO; DERWENT	2004/05/28 16:50
55	13	("5548832"   "5890910"   "5894298"   "6083009"   "6157849"   "6278887"   "6292676"   "6328570"   "6351736"   "6426736"   "6545208"   "6606506"   "6628963").PN.	USPAT	2004/05/28 16:57